

Welcome to WST

威力盛公司

WELI SHENG COMPANY



我們的品質政策

Our Quality Policy

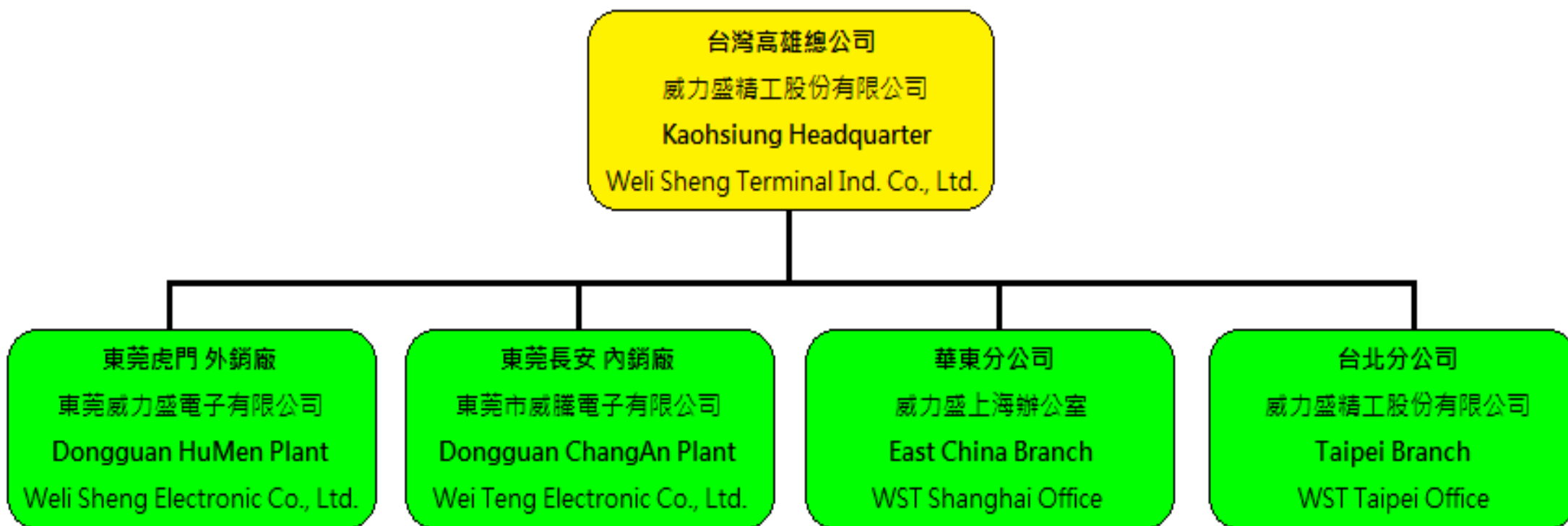
- ▶ 現場：不斷地改善再改善
Site: continuous improvement and then improve
- ▶ 技術：不斷地創新再創新
Technologies: constant innovation and innovation
- ▶ 品質：不斷地提升再提升
Quality: continue to upgrade and then upgrade
- ▶ 顧客：不斷地服務再服務
Customer: continuous service and then service



公司介紹

Company introduction

公司結構





公司介紹

Company introduction

公司聯絡資訊

Contact window

- 高雄總公司: 威力盛精工股份有限公司
WST Ind. Co., Ltd. (Head office)
- 地址: 高雄市岡山區岡燕路485巷75號
No.75, Lane 485, Kang Yen Rd.,
Kang Shan Dist., Kaohsiung City, Taiwan
- 聯絡業務: 黃子湘' s
- Tel:886-7-6223037
- Fax: 886-7-6221967
- E-Mail: yea.huey@wst.com.tw

- 台北分公司: 威力盛精工股份有限公司
WST Ind. Co., Ltd. (Taipei office)
- 地址: 台北市內湖區安美街161號5樓
5F., No. 161, An Mei St., Nei Hu Dist.
Taipei City, Taiwan
- 聯絡業務: 陳惠珊' s
- Tel: 886-2-27918595
- Fax: 886-2-27918515
- E-Mail: sandy@wst.com.tw
- E-Mail: export@wst.com.tw

- 華東分公司: 威力盛上海辦公室
WST Shanghai Office
- 地址: 上海市中江路879號7幢A座1層
1F/ Building 7A, No. 879, Zhongjiang
Rd., Shanghai, China
- 聯絡業務: 吳仲強' r
- Tel: 86-21-60821292
- Fax: 86-21-60821250
- E-Mail: sam.wu@wst.com.tw

- 外銷廠: 東莞威力盛電子有限公司
Weli Sheng Electronic Co., Ltd
- 中國廣東省東莞市虎門懷德管理區雅瑤村
Ya Yao Village, Huai De Ind. Area, Hu Men
Town, Dong Guan City, Guang Dong, China
- 聯絡業務: 聶水爾' s (13826929052)
- Tel:0769-85151919
- Fax: 0769-85151717
- E-Mail: shui.er@wst.com.tw

- 內銷廠: 東莞威騰電子有限公司
Wei Teng Electronic Co., Ltd.
- 中國廣東省東莞市長安鎮增田村增田工業區
Zeng Tian Ind. Area, Chang An Town,
Dong Guan City, Guang Dong, China
- 聯絡業務: 傅亞平' r
- Tel:0769-85311866
- Fax: 0769-85311755
- E-Mail: wt.yewu@vip.163.com



公司介紹

Company introduction

- ▶ 台灣「威力盛精工股份有限公司」成立於民國81年（西元1992年）4月；現有員工**120人**。

WELI SHENG TERMINAL INDUSTRIAL CO.,LTD. was established in 1992, now with 120 workers.

- ▶ 東莞威力盛電子有限公司，成立於2002年9月24日，占地面積16431.30 平方米，現有員工總人數**200人**。

WELI SHENG ELECTRONIC CO.,LTD. was established in 2002, an area of 16431.3 square meters, now with 400 workers.

東莞WST辦公大樓
WST office building



東莞WST辦公大樓
WST office building





高雄總部

WST head office



台北業務辦公室

WST sales office in Taipei

東莞WST員工宿舍

WST staff dorm



東莞WST生產大樓
WST production building



WST 沖壓生產車間

WST pressing area

- ✓ 擁有高速自動沖床**51**台
(東莞廠**38**臺； 台灣廠**13**臺)
51 Pressing machines.
- ✓ Terminal 月產能**1000KKPCS**
(東莞廠**1125KK pcs**；台灣廠**200KK pcs**)
Monthly capacity: 1000KK pcs



東莞WST注塑生產車間

WST injection area

- ✓ 擁有注塑成型機**45**台
45 Injection machines.
- ✓ Housing 月產能 **120KK pcs**
Monthly capacity: 120KK pcs





公司介紹

Company introduction

- ▶ WST公司請查詢網址: www.wst.com.tw
WST website: www.wst.com.tw



WST
WELI SHENG TERMINAL INDUSTRIAL CO., LTD

選取您的語言並進入網頁
Click here to choose your language

繁體中文 | ENGLISH

BETTER WITH RESOLUTION 1024X768 TO VISIT OUR WEBSITE ©2008 WELI SHENG TERMINAL INDUSTRIAL CO., LTD. ALL RIGHTS RESERVED.



公司介紹

Company introduction

- ▶ WST公司生產產品查詢方式介紹
Searching it on our website

The screenshot shows the WST website homepage. At the top, there is a navigation bar with the WST logo, the company name 'WELI SHENG TERMINAL INDUSTRIAL CO., LTD.', and a 'Welcome to WST' message. Below this, there is a 'PRODUCTS' section with a list of product types. On the left side, there is a sidebar with buttons for 'New Products', 'Product Series Index', 'Pair Drawing', and 'International Index'. At the bottom, there is a search bar with the label 'keyword' and a 'SEARCH' button. Two blue arrows point to the 'Product Series Index' button and the search bar. A blue box with text is overlaid on the left side of the page, and another blue box with text is overlaid at the bottom.

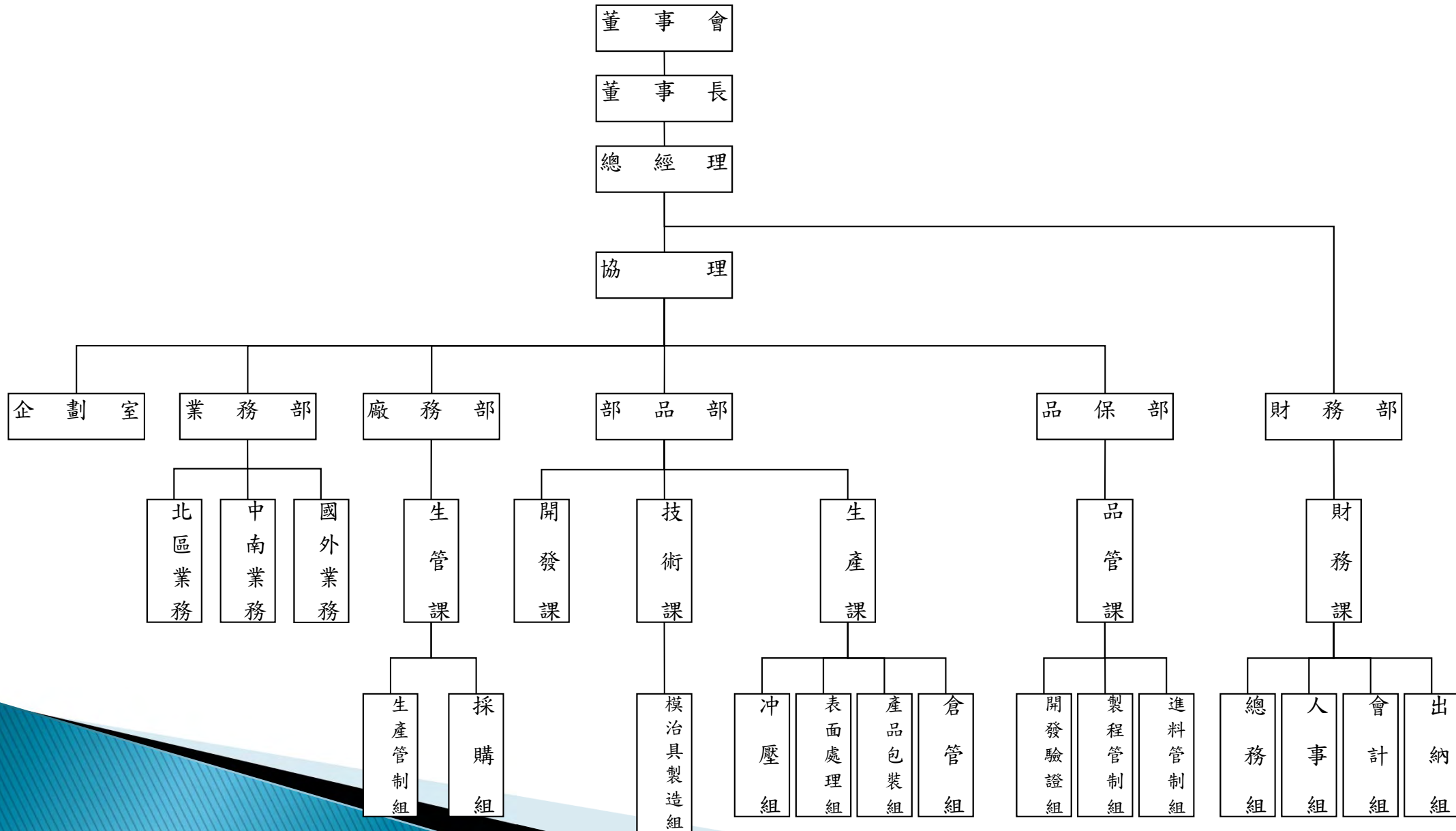
請進入WST網頁后, 點擊此處查詢了解我司產品類型
Click here to learn more about our products by series

或是你可以在此輸入我司料號並找尋你要的產品
Enter our part no. to search the products you wanted



組織圖介紹 organization chart introduction

2.1 台灣公司組織圖

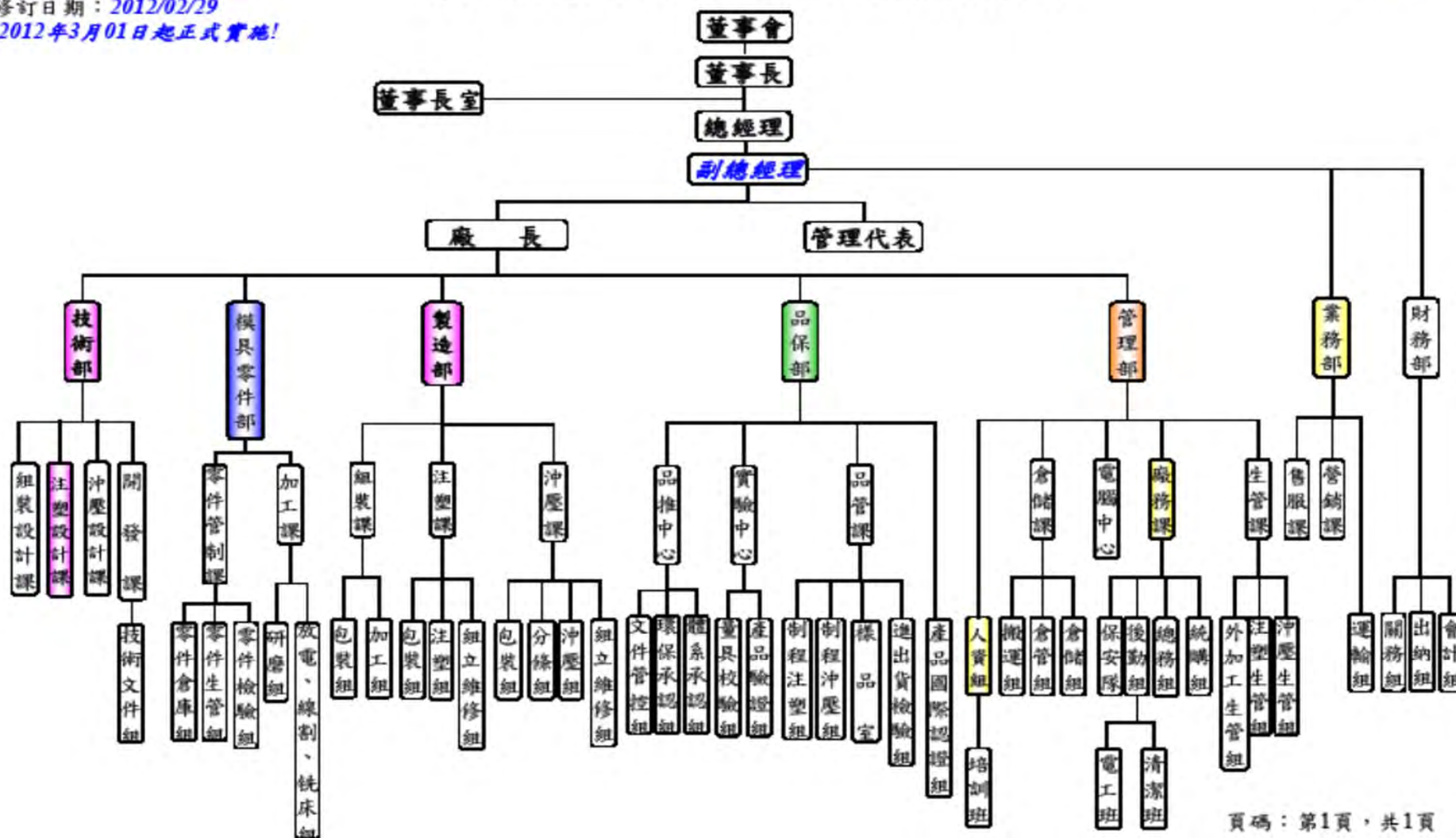


2.2 東莞公司組織圖

文件編號：QP-039
制訂日期：2008/10/22
修訂日期：2012/02/29
2012年3月01日起正式實施！

威力盛電子有限公司組織架構圖

版次：E0



► ISO 9001 和 TS16949 證書(台灣廠 & 東莞廠)





公司體系運行介紹 Company system operation introduction

- ▶ IECQ QC080000、ISO 14001證書(東莞廠)、OHSAS 18001證書(東莞廠)

IEC **IECQ** **IEC QUALITY ASSESSMENT SYSTEM (IECQ)**
covering Electronic Components,
Assemblies, Related Materials and Processes
For rules and details of the IECQ visit www.iecq.org

IECQ Certificate of Conformity
Hazardous Substance Process Management

IECQ Certificate No.: IECQ-H SGSCN 09.0287 Issue No.: 3 Status: Current
Supersedes: IECQ-H SGSCN 09.0287 Issue 2 Issue Date: 2013/10/18 Org Issue: 2009/03/24
CB Certificate Number: PRC-HSPM-1587 Issue 3 Expiration: 2015/03/23

Applicable to:
European Directive 2011/65/EU ("RoHS") requirements
Customer specified requirements

Wei Sheng Electronic Co., Ltd.
Ya Yao Village, Hui De Industrial Area, Hu Men Town,
Dongguan City, Guangdong Province,
China

The organization has developed and implemented Hazardous Substance Process Management procedures and related processes which have been assessed and found to comply with the applicable requirements for IECQ HSPM organization approval which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-5 "IECQ Hazardous Substances Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the IECQ Specification.

• IECQ QC 080000:2012 - Hazardous Substance Process Management System Requirements

This Certificate is applicable to all electronic components, assemblies, related materials and processes for the following scope of activities:
Design and manufacture of connectors, terminal series for electrical and electronic products.

Certificate Issued by the Certification Body (CB): **SGS**
Electronic Components Certification Corporation

Authorized person: **Mr. Ben Tsang**
Fucheng Road Beijing China
Web Site: <http://www.sgs.com>

Certification Body Sponsoring NA: **IECC**
Midland Texas 79708 UNITED STATES
Web Site: <http://www.eccorp.org>

The validity of this certificate is maintained through on-going surveillance inspections.
Note: This Certificate of Conformity may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ.
This certificate and any schedule(s) may only be reproduced in full.
This certificate is not transferable and remains the property of the issuing body.
The Status and authenticity of this certificate may be verified by visiting the Official IECQ Website (www.iecq.org).
- Attached Translation - None - IECQ-H Rev. 08

BCC
北京新世纪认证有限公司

**CERTIFICATE OF ENVIRONMENT MANAGEMENT
SYSTEM CERTIFICATION**
Certificate No. 01612E20994R1M
This is to certify that the Environment Management System of

WEILI SHENG ELECTRONIC CO., LTD.

REGISTERED ADDRESS: HUAIDE VILLAGE, HUMEN TOWN, DONGGUAN CITY,
GUANGDONG PROVINCE, P. R. CHINA
POSTAL ADDRESS: HUAIDE VILLAGE, HUMEN TOWN, DONGGUAN CITY,
GUANGDONG PROVINCE, P. R. CHINA
Post Code: 523926
is in conformity with
GB/T24001-2004/ISO14001:2004 Standard
This certificate is valid to the following product(s)/service(s)
DESIGN, DEVELOPMENT, PRODUCTION AND SALE OF CONNECTOR AND TERMINAL
PRODUCTS

GEOGRAPHIC ADDRESS: HUAIDE VILLAGE, HUMEN TOWN, DONGGUAN CITY,
GUANGDONG PROVINCE, P. R. CHINA

Issue Date: 12-9-2009 Beijing New Century Certification Co., Ltd.
Reissue Date: 12-8-2012 General Manager: *陈志红*
Valid Until: 12-7-2015

BCC Address: 11/F, Building 1 Shuang, Xuanwu, Xishiku, Xichang District, Beijing, P. R. China
The certificate is valid within the term of validity of all administrative and qualification license subject to
the regulation of P. R. China
It shall be maintained by regular surveillance assessment and shall be valid when used in conjunction with the Notice of
Surveillance Decision
Please consulting the website www.bcc.com.cn

BCC
北京新世纪认证有限公司

职业健康安全管理体系认证证书
注册号: 016ZB13S21460R1M

兹证明
东莞威力盛电子有限公司
职业健康安全管理体系符合
GB/T28001-2011/OHSAS18001:2007标准
该组织职业健康安全管理体系适用于
连接器、端子产品的设计开发、生产和销售

经营地址: 广东省东莞市虎门镇怀德村

初次发证日期: 2010年12月3日 北京新世纪认证有限公司
本次发证日期: 2013年11月21日 总经理: *陈志红*
证书有效期至: 2016年11月20日

认证地址: 北京市西城区西便门大街小胡同1号11层
本证书在全国范围内有效, 有效期内如有变更, 请及时向本认证机构申请变更。
本证书还须定期接受审核, 与年度监督审核相结合, 并须有效。
查询网站: www.bcc.com.cn 二维码查询平台: v.bcc.com.cn



端子製造流程圖(先鍍後沖,素材) Terminal Series Process Flow Chart

威力盛精工股份有限公司

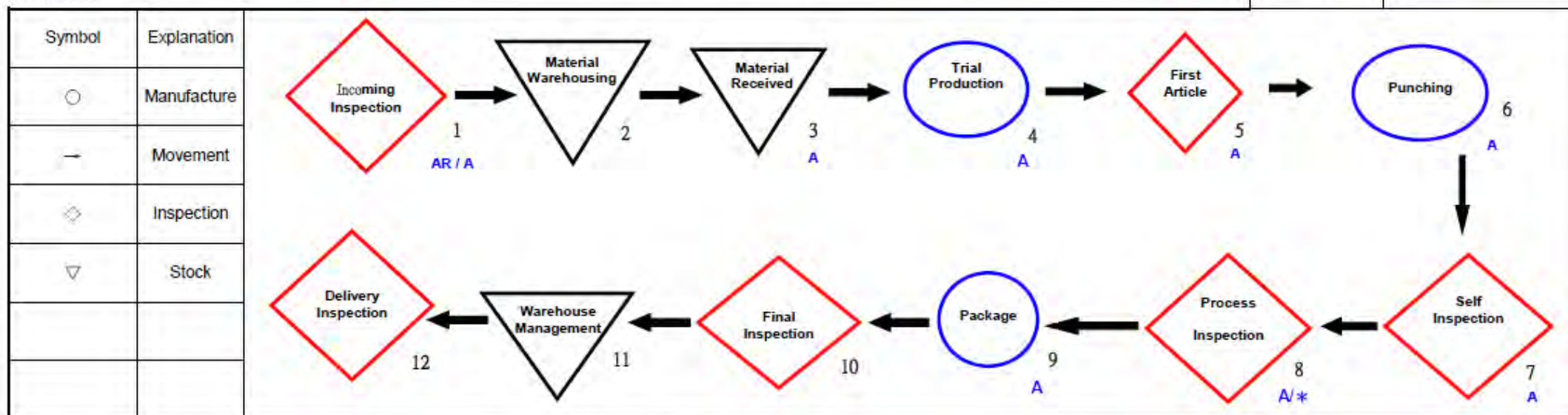
WELI SHENG TERMINAL INDUSTRIAL CO., LTD.

Document No.	MP-T1-XXXXXX-01
Version	1
Page	1

■Prototype
Production

■Pre-Launch

Terminal Series Process Flow Chart(Punching After Plating 、Source-Materia)



Important Item

Revised History

Countersignature

Symbol	Explanation	Symbol	Explanation	Edition	Date	Change Description	Drawn	Manufacture	Technical	Product Control	QA	Warehouse	Development
AR	Regulation Requirement			1			高志聖						
A	Drawing, Inspection Indicate												
*	Additional Important Item												

Approved By:

Reviewed By:

Prepared By:高志聖



先鍍後沖管制計畫

Product Control Plan

威力盛精工股份有限公司

WELI SHENG TERMINAL INDUSTRIAL CO., LTD.

Product Control Plan

■Prototype ■Pre-Launch ■Production

Page 1 of 2

Control Plan Number : CP-T1-XXXXXX-01		Revision : 1		Key Contact / Phone : 蕭安富 / 07-6223037			Date (Original) : 2008/3/28		Date (Rev.)		
Part Number / Latest Change Level : Terminal Serial (Punching After Plating or Source Material)				Core Team : 韓曜安、高志聖、劉靜宏、楊麗華、林淑嬌、陳葉			Customer Engineering Approval / Date :				
Part Name / Description : Terminal Serial (Punching After Plating or Source Material)				Organization Approval / Date :			Customer Quality Approval / Date :				
Supplier : WELI SHENG TERMINAL INDUSTRIAL CO., LTD.		Supplier Code :		Other Approval / Date : (If Required)			Other Approval / Date : (If Required)				
Part/ Process Number	Process Name / Operation Description	Machine, Device, Jig, Tools for manufacturing	Characteristics			Special Char. Class	Methods				Reaction Plan
			Number	Product	Process		Product / Process Specification / Tolerance	Evaluation / Measurement Technique	Sample		
								Size	Frequency		
1	Incoming inspection			Part name	QP-7404 Material receive inspection procedure	WI-8201 All inspection operation instruction (including material inspection standard)	Visual inspection	Bundle	Lot	Raw material incoming inspection sheet	Return to supplier or concession
				Dimensions			Vernier caliper or micrometer	N=5			
				Appearance			Visual inspection	Bundle			
				Plated thickness			X-RAY	5 points			
				Hardness			Microhardness tester	5 points			
2	Material warehousing			Appearance	QP-7505 Warehouse management procedure	QP-7505 Warehouse management procedure	Visual inspection	Bundle	Lot	Material received sheet	feed back to QC section
3	Material received			Appearance	QP-7502 Process control procedure	Manufacture order operation process in QP- 7502	Visual inspection	Bundle	Lot	Material requisite sheet	feed back to QC section
4	Mold set up and trial	Punching machine and mold		Appearance	WI-7501 Punching machine operation instruction	Product inspection standard	Visual inspection	Trial piece	Mold set up	Inspected by technician	Adjust or repair mold
				Dimensions			Vernier caliper or projector				
				Insertion and withdrawal force			push-pull scale				

QR4202-06-A

Approval by: 鄭善輝

Reviewed by: 韓曜安、高志聖、劉靜宏、楊麗華、林淑嬌、陳葉

Prepared by: 蕭安富



先鍍後沖管制計畫

Product Control Plan

Control Plan Number : CP-T1-XXXXXX-01 Revision : 1

Page 2 of 2

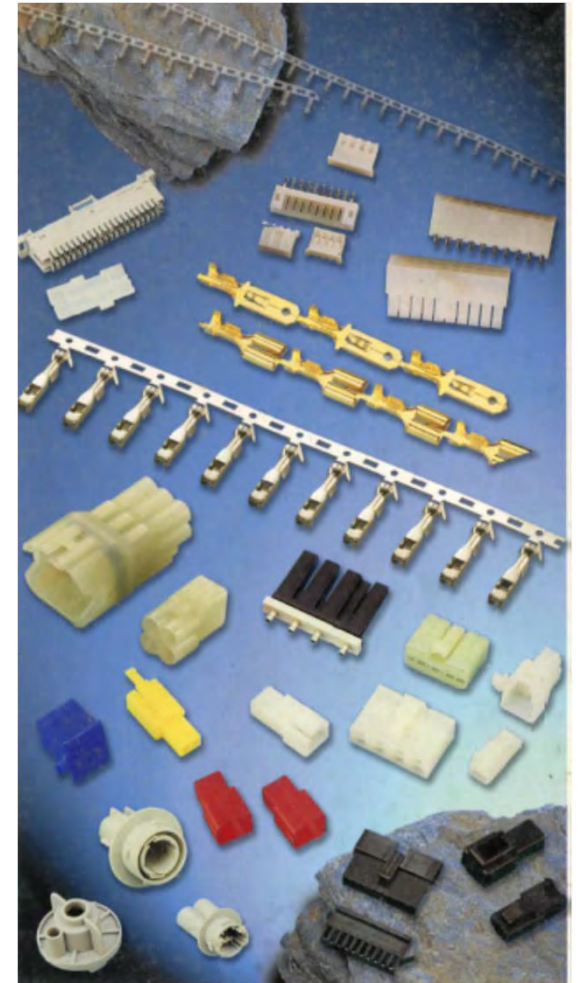
Part/ Process Number	Process Name / Operation Description	Machine, Device, Jig, Tools for manufacturing	Characteristics			Special Char. Class	Methods					Reaction Plan
			Number	Product	Process		Product / Process Specification / Tolerance	Evaluation / Measurement Technique	Sample		Control Method	
									Size	Frequency		
5	First piece inspection	Punching machine and mold		Appearance Dimensions Insertion force test Withdrawal force test	WI-7501 Punching machine operation instruction		Product inspection standard	Visual inspection Vernier caliper or Projector push-pull scale push-pull scale	First piece		First piece and mold repaired inspection sheet	Adjust or repair mold
6	Punching	Punching machine and mold		WI-7501 Punching machine operation instruction	WI-7501 Punching machine operation instruction		WI-7501 Punching machine operation instruction	Visual inspection				Adjust
7	Operator inspection			Appearance Dimensions Insertion and withdrawal force	WI-7501 Punching machine operation instruction		Product inspection standard	Visual inspection Vernier caliper or Projector push-pull scale	1 time	1hr	Operator inspection sheet	Adjust or repair mold
8	Process inspection			Appearance Dimensions Insertion force test Withdrawal force test	WI-8201 All inspection operation instruction	*	Product inspection standard	Visual inspection Vernier caliper, micrometer or Projector push-pull scale push-pull scale	4Pcs	2hr	Define specific characteristic in product inspection standard shall be control by $\bar{X}$ -R control chart	100% inspection or scrap
9	Package			Appearance			Packing operation instruction	Visual inspection	Reel			Segregate or rework
10	Final inspection			Appearance				Visual inspection			Inventory transfer bill	Segregate or rework
11	Warehouse management			First In first out	QP-7505 Warehouse management procedure		Check stamp of inspection date	Visual inspection	Delivery sequence by manufacture date		Visual Inspection to select	Select
12	Delivery inspection	Cart		Stock period	QP-7501 Carry management procedure		More than eight months	Visual inspection	based on stock period		Visual Inspection to select	Select



我們的主要產品

Our main products

- ▶ 汽機車端子及塑膠連接器
Terminals and Connectors for Motor Vehicles and Motorcycle
(Such as : NISSAN, MITSUBISHI, GM, HONDA, YAMAHA)
- ▶ 電機、電器用端子及連接器
Terminals and Connectors for Electrical Machinery and Appliances (Such as : TECO, PHILIPS, SONY)
- ▶ 電腦、電信通訊用端子及連接器
Terminals and Connectors for Computer and Tele-communication equipment (Such as : ACER, DELTA)
- ▶ 高速沖壓模代工
OEM for High-Speed Punching Molds
- ▶ 各種端子及連接器開發和製造
Developing and producing for various Terminals & Connectors





汽機車端子及塑膠連接器

Terminals and Connectors for Motor Vehicles and Motorcycle



•空接 φ 1.3mm Series



•Lampstand Series



•Fuse Box Series



•Fuse Box Series



•Flag Type Series



•Barrel Shape Series



•110 Type Series



•250 Type Series

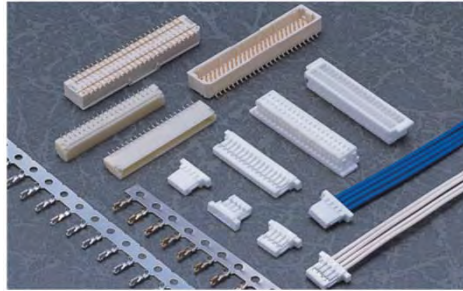


•PCB PANEL Series



電機、電器用端子及連接器

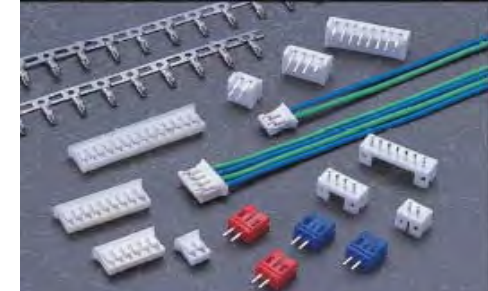
Terminals and Connectors for Electrical Machinery and Appliances



•Pitch : 1.00mm Series



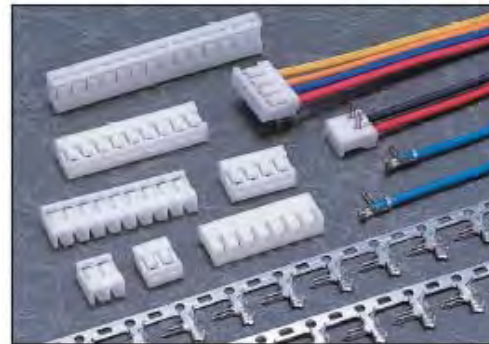
•Pitch : 1.27mm Series



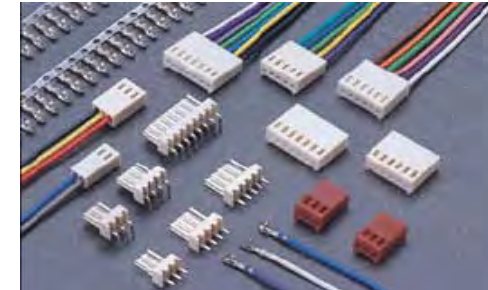
•Pitch : 2.00mm Series



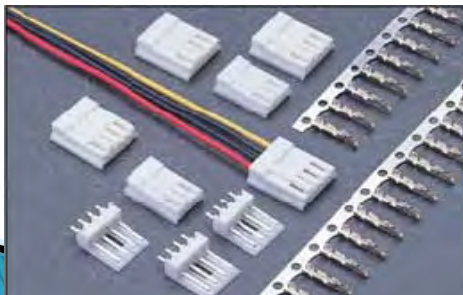
•Pitch : 2.50mm Series



•Pitch : 2.50mm Series



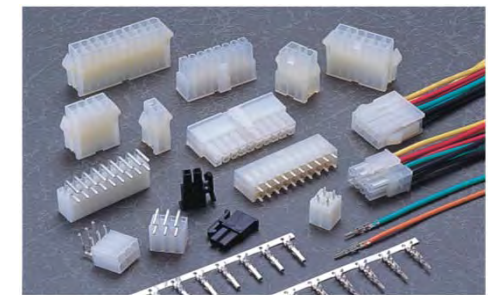
•Pitch : 2.54mm Series



•Pitch : 2.54mm Series



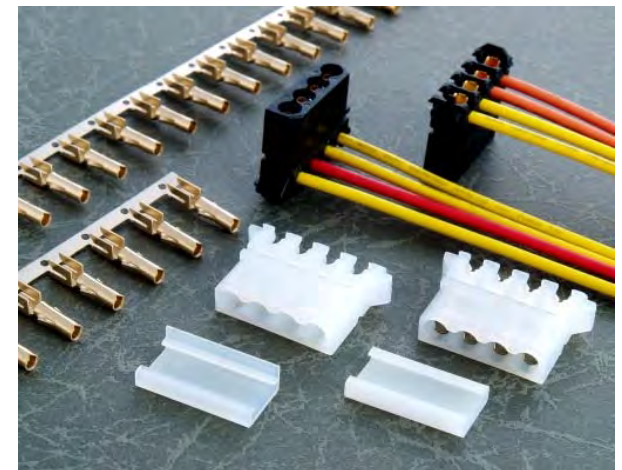
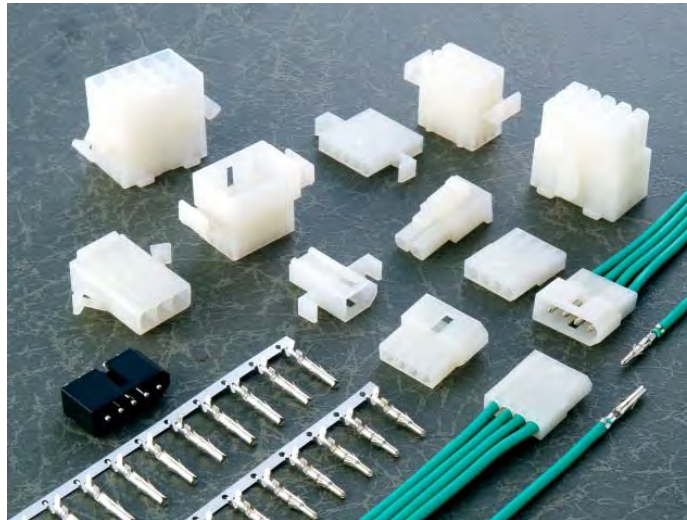
•Pitch : 2.54mm Series



•Pitch : 4.20mm Series

A系列 / A Type

- ▶ 圓管型端子
Barrel Tube Shape
- ▶ 『線對線』或『線對板』
『Wire to Wire』 or 『Wire to Board』
- ▶ 業界俗稱的空接系列有： $\Phi 1.0/\Phi 1.3/\Phi 1.58..$ 等
Popular wire to wire series: $\Phi 1.0/\Phi 1.3/\Phi 1.58..$ and so on





B系列 / B Type

- ▶ 圓盤型端子
Ring Tongue Shape
- ▶ 以鎖附螺絲的圓徑尺寸為選擇基準
Choose by your screw size





C系列 / C Type

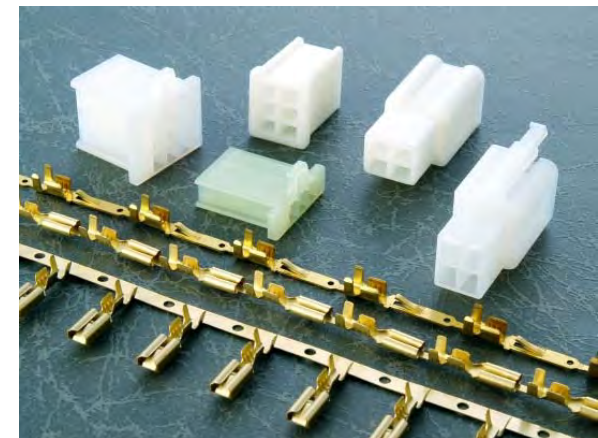
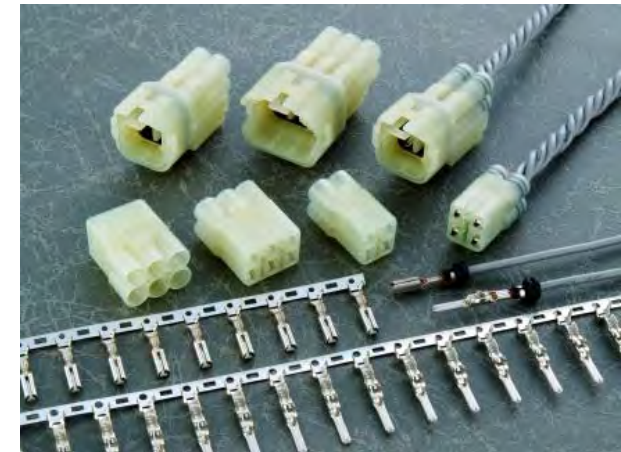
- ▶ Y型端子
Spade Shape
- ▶ 以鎖附螺絲的圓徑尺寸為選擇基準
Choose by your screw size





D系列 / D Type

- ▶ 為『快接型』(FASTON型)產品
FASTON Series
- ▶ D6系列為『公端子』， D7系列為『母端子』，
D8系列為『陰陽端子』
D6 is 『Male Terminal』， D7 is 『Female Terminal』， D8 is 『Terminal with Male & Female』
- ▶ D6系列端子以前端寬度尺寸為選擇基準
Choose by Terminal Width
- ▶ 業界俗稱:090型/110型/250型..等
Popular series: 090型/110型/250型..and so on
- ▶ 連接器防塵防水需求
some of products in this series require to water proof





E系列 / E Type

- ▶ 為『耳扒型』產品
Button Shape
- ▶ 一般使用於保險司盒
Use for Fuse Box



F系列 / F Type

- ▶ 為『燈座型』產品
Lamp Type
- ▶ 一般使用於汽、機車相關燈座連接器
Use for Vehicle & Motorcycle Lamp Stand



G系列 / G Type

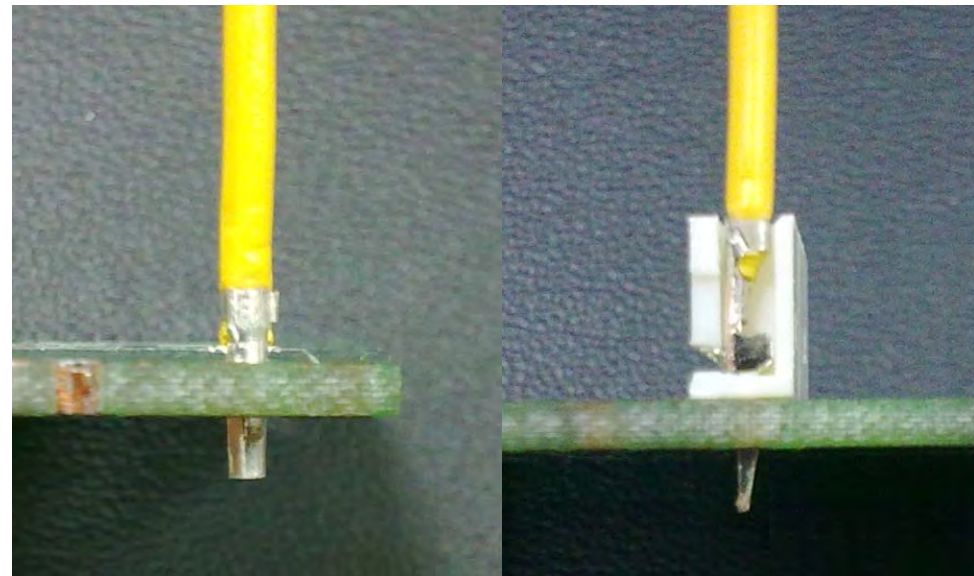
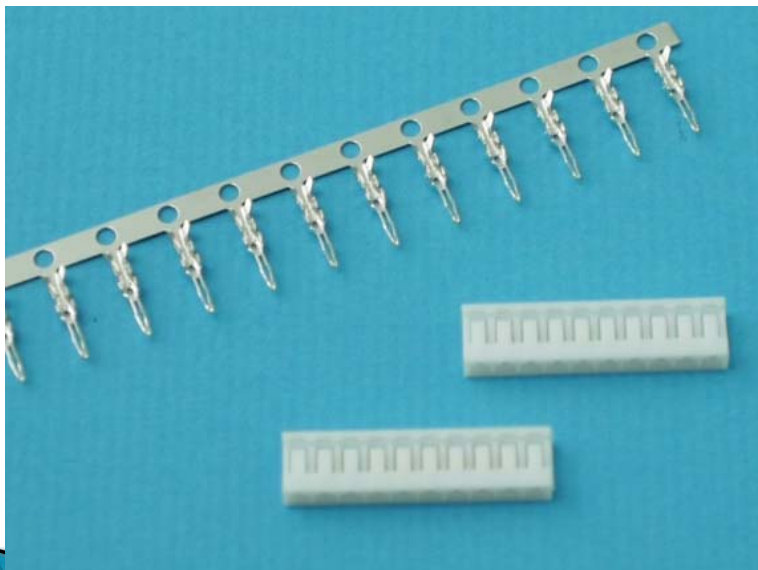
- ▶ 為『接線型』產品
Wire to Wire Splice
- ▶ 一般使用於兩電線接合
Combine two wire into one





H系列 / H Type

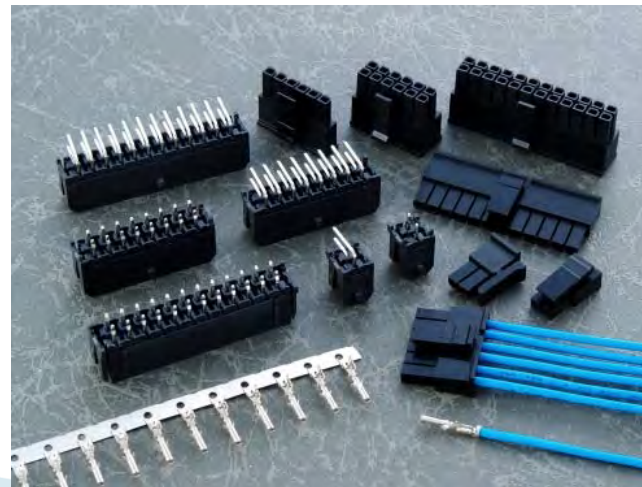
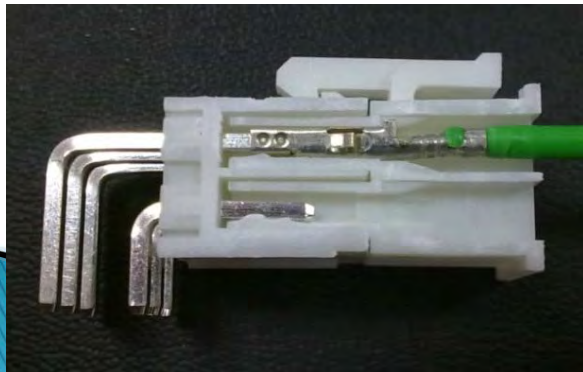
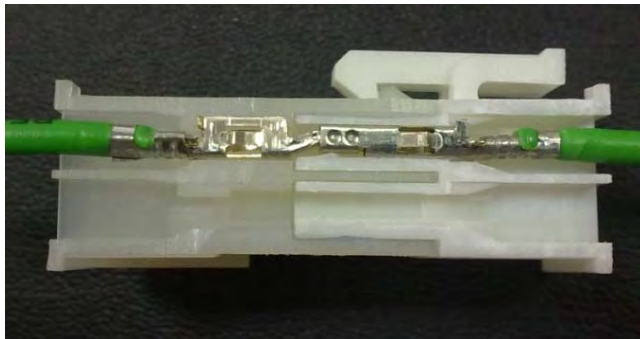
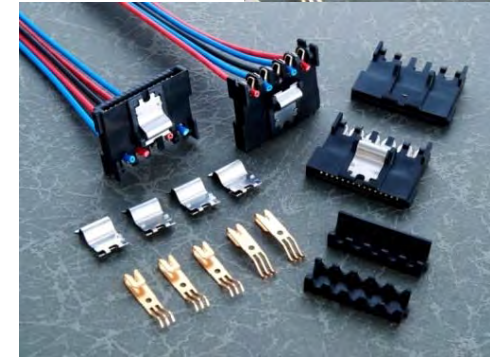
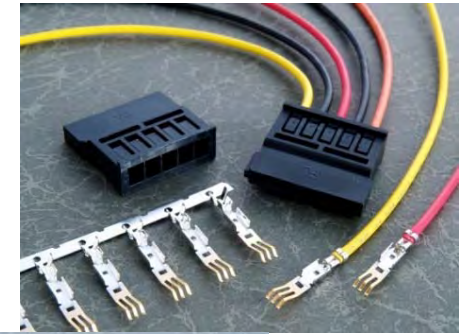
- ▶ 為『插基板型』產品
DIP-IN Type
- ▶ 一般使用於PCB之連接器
Use on PCB
- ▶ 以搭配PCB孔徑為選擇基準
Choose by PCB hole size





I系列 / I Type

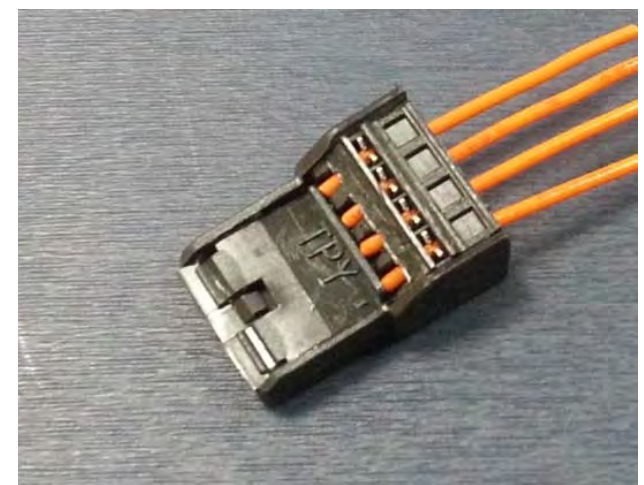
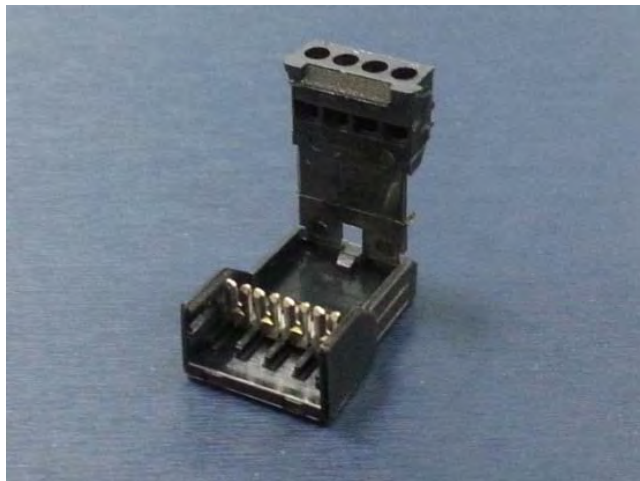
- ▶ I系列為『電腦周邊型』產品
Computer related products
- ▶ 以連接器間距(Pitch)尺寸為選擇基準
Choose by 『Pitch』
- ▶ 『線對線』或『線對板』型式
『 Wire to Wire 』 or 『 Wire to Board 』





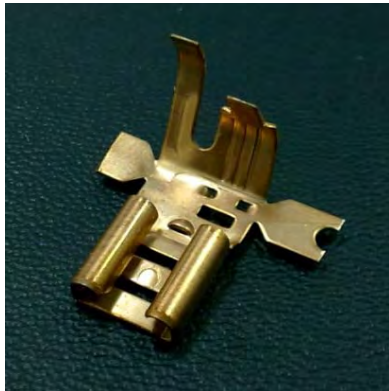
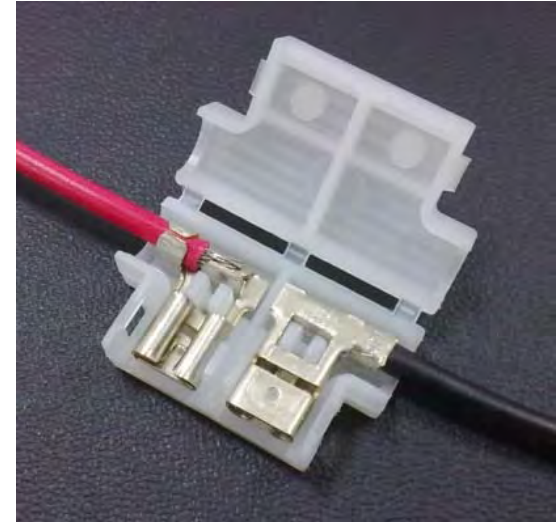
J系列 / J Type

- ▶ 為『通訊型』產品
Communication Type
- ▶ 一般使用於通訊設備之連接器
Use for communication equipment



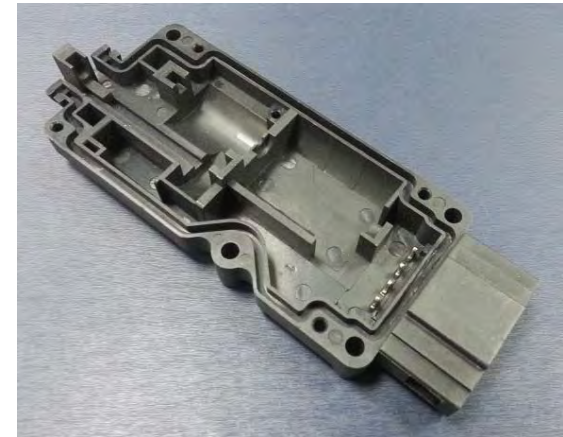
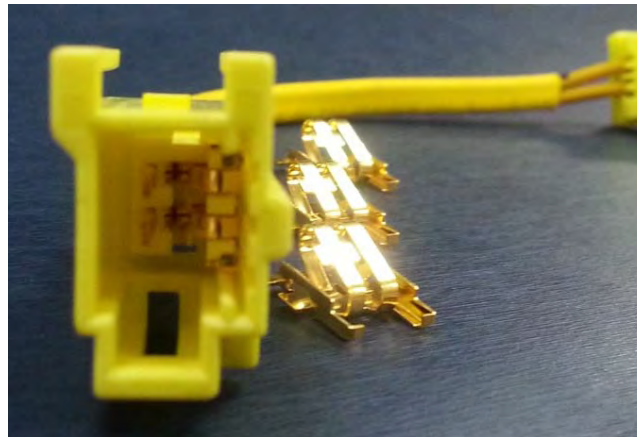
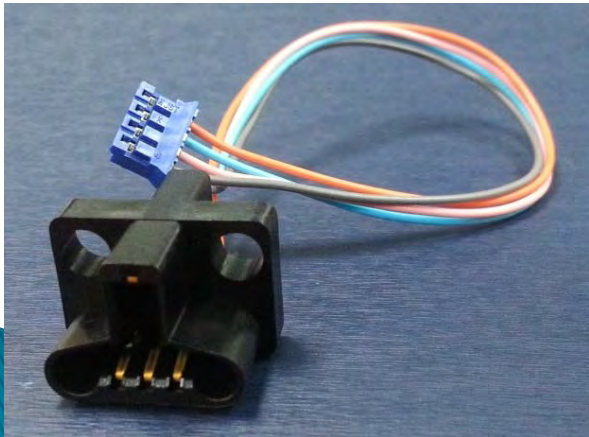
K系列 / K Type

- ▶ 為『旗型』產品(形狀類似旗子)
Flag Type
- ▶ 『快接型』(FASTON型)產品的一種
Right Angle type of FASTON Terminal
- ▶ 業界俗稱:090型/110型/250型..等
Popular series:090型/110型/250型..and so on



L系列 / L Type

- ▶ 為其他特殊產品
Others specific products
- ▶ 依客戶連接器使用需求進行設計開發
Customer make





使用WST連接器剖析

The analysis of using WST products

品質好 Good quality	長期大量穩定的與各大廠配合. 5大體系持續運作. Having long term cooperation with each well-known customers, with strict QC system.
技術好 Outstanding skills	WST具有獨立自主的產品設計和模具開發能力. 可根據產品的使用及電性等要求自主設計產品. 我們亦有自主設計的專利產品. Having complete equipment & ability from design to production. We also design our own patent products.
交期快, 無MOQ要求 Fast lead time, with low MOQ	WST產品規格品備有一定安全庫存. 可配合客戶全力趕制交期. 且MOQ通常依最小包裝記. Having stock for standard parts, and can expedite schedule for customer request. Mostly MOQ = MPQ.
價格合理 Reasonable price	WST產品在保質質量的前提下. 單價具有一定的優勢. Bring you the best quality with best price.
服務好 Comprehensive service	WST具有獨立的售前和售後服務團隊. 能為客戶解決各項疑難雜症. We have sales & after-sales service team, and can provide the best solution to you.



公司主要客戶介紹

Main customer introduction

前六大間接客戶 Top 6 indirect customers			前五大直接客戶 Top 5 direct customers	
客戶名稱 Name	交貨占有率%		客戶名稱 Name	
臺達 Delta Electronics	25%		元太電業有限公司 Yuen Tai Electrical Co., Ltd.	
全漢 FSP	20%		建太電子廠 Jianntay Electronic Wire Co., Ltd.	
海韻電子 Seasonic	15%		整隆企業有限公司 Carol Wiring Harness Co., Ltd.	
群光 HIPPRO	15%		海克力斯電子有限公司 Hercules Electrical Co., Ltd.	
光寶 LITE-ON	10%		崧騰電子有限公司 Solteam Switches & Fiber Optic Devices	
富士康 FOXCONN	10%		為勤電子	

物理實驗室設備 Physics Laboratory Equipments



- 恆溫恆濕測試 Humidity
恆溫恆濕機 Invariables environment tester
範圍：-70~150°C / 25~98%RH
Range: -70~150°C / 25~98%RH
設備能力：0.1°C / 0.1%RH
Test ability: 0.1°C / 0.1%RH



- 冷熱循環試驗 Temperature Cycle
冷熱衝擊機 Thermal shock tester
範圍：-65~150°C / **Range:** -65~150°C
設備能力：0.1°C / **Test ability:** 0.1°C

實驗室測試能力與範圍

Physics Laboratory ability & range

物理實驗室設備 Physics Laboratory Equipments



- 電鍍膜厚 Plating thickness test
X-RAY膜厚測試儀X-ray Plating thickness tester
範圍： $\leq 800 \text{ MI}$ / **Range:** $\leq 800 \text{ MI}$
設備能力: $0.001 \mu\text{m}$ / **Test ability:** $0.001 \mu\text{m}$



- 拉拔力試驗 Pulling force test
自動拉拔力測試機 Auto insertion & withdrawal force tester
範圍： $0-50 \text{ Kg}$ / **Range:** $0-50 \text{ Kg}$
設備能力: 0.01 Kg / **Test ability:** 0.01 Kg



- 材料硬度測試 Material hardness test
維氏硬度測試儀 HV tester
範圍： $0-9999^\circ$ / **Range:** $0-9999^\circ$
設備能力: $0-0001^\circ$ / **Test ability:** $0-0001^\circ$

實驗室測試能力与范围

Physics Laboratory ability & range

物理實驗室設備 Physics Laboratory Equipments



- 安規測試 Safety regulations test
- 交直流耐壓/絕緣測試器 Withstanding voltage tester
- 範圍：0.1-5.000 KV / **Range:** 0.1-5.000 KV
- 設備能力：1%±10V 1%±5μm /
Test ability: 1%±10V 1%±5μm



- 導通試驗 Conduction test
- 微小歐姆電阻表 Micro-resistance tester
- 範圍：20mΩ-20 KΩ / **Range:** 20mΩ-20 KΩ
- 設備能力：1A / 0.01 m Ω /
Test ability: 1A / 0.01 m Ω

實驗室測試能力與範圍

Physics Laboratory ability & range

物理實驗室設備 Physics Laboratory Equipments



- 溫升測試 Temperature Rise
 - 溫度記錄儀 Temp. recording instrument
 - 範圍：-200-1370°C / **Range:** -200-1370°C
- 設備能力：0.001V / 0.1°C / **Test ability:** 0.001V / 0.1°C



- 鹽霧試驗 Salt Spray
 - 鹽霧試驗 Salt spray tester
 - 範圍：0-100°C // **Range:** 0-100°C /
 - 設備能力：0.1°C / (1~2ml/80cm²/h) 0-0001 °
- Test ability:** 0.1°C / (1~2ml/80cm²/h) 0-0001 °

物理實驗室設備 Physics Laboratory Equipments



金相研磨機
Metallographic grinder



2.5D 精密影像量測器
2.5D Measuring Instrument

RoHS測試設備 RoHS Test Equipments



- EDX test equipment
- 型號:日本精工 SEA1000A
Model : SEA1000A
- 範圍 : 0-1000000PPM /
Range:0- 1000000PPM
- 可測試項目: Test item
Pb /Cd/Hg/Cr/Br/Cl/As....
- 設備能力:5PPM /
Test ability:5PPM



實驗室測試能力與範圍

Physics Laboratory ability & range

4.3.校準實驗室測試能力與範圍 Calibrate Laboratory ability & range

實驗項目 Test item	設備名稱 Name of tester	範圍 Range	設備能力 Test ability	作業標準 Operation standard
長度 Length	游標卡尺 Caliper	0~300 mm	0.001mm	SOP- LC-001
厚度 Thickness	分厘卡 Micrometer	0~125 mm	0.001mm	SOP- LC-002
高度 Height	高度規 Height gage	0~50 mm	0.001mm	SOP- LC-003
重量 Weight	磅秤、電子秤 Scale, digital scale	0~30 kg	0.005 g	SOP- LC-004
力量 Force	拉力計 Pulling force tester	0-30 Kgf	0.02 Kgf	SOP- LC-005
硬度 Hardness	硬度計 Sclerometer	0-9999°	0.0001°	SOP- LC-006
溫溼度 Temp. & humidity	溫濕度計 Temperature and humidity tester	(-30°C~+50°C) / (20~100%RH)	1°C / 1% RH	SOP- LC-007
膜厚 Plating thickness	膜厚測試儀 Plating thickness tester	≤800 MI	0.001 μ "	SOP-LC-008

敬请指教！



THANK
YOU!